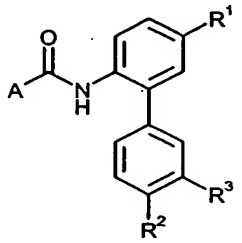
Patent claims

1. Synergistic fungicidal active compound combinations comprising a carboxamide of the general formula (I) (group 1)



(I)

in which

R^1 represents hydrogen or fluorine,

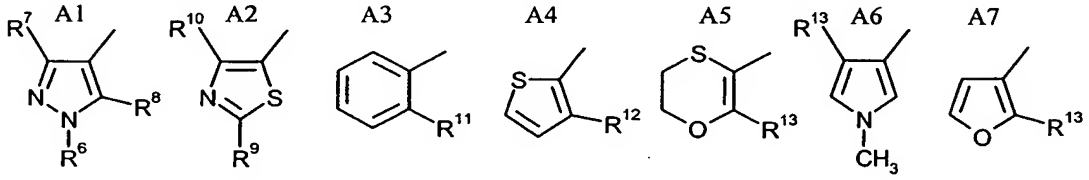
R^2 represents halogen, C_1-C_3-alkyl, C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms, C_1-C_3-alkoxy, C_1-C_3-haloalkoxy having 1 to 7 fluorine, chlorine and/or bromine atoms or represents $-C(R^4)=N-OR^5$,

R^3 represents hydrogen, halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

R^4 represents hydrogen or methyl,

R^5 represents C_1-C_5-alkyl, C_1-C_5-alkenyl or C_1-C_5-alkynyl,

A represents one of the radicals A1 to A7 below:



R^6 represents C_1-C_3-alkyl,

R^7 represents hydrogen, halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

R^8 represents hydrogen, halogen or C_1-C_3-alkyl,

R^9 represents hydrogen, halogen, C_1-C_3-alkyl, amino, mono- or di(C_1-C_3-alkyl)amino,

R^{10} represents hydrogen, halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

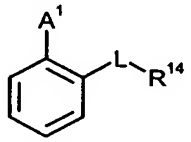
R^{11} represents halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

R^{12} represents halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

R^{13} represents hydrogen, halogen, C_1-C_3-alkyl or C_1-C_3-haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

and at least one active compound selected from groups (2) to (23) below:

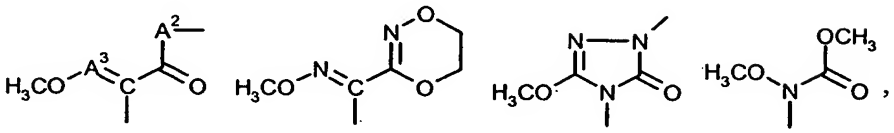
Group (2) Strobilurins of the general formula (II)



(II)

in which

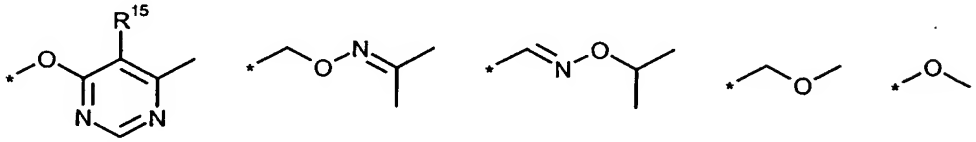
A^1 represents one of the groups



A^2 represents NH or O,

A^3 represents N or CH,

L represents one of the groups

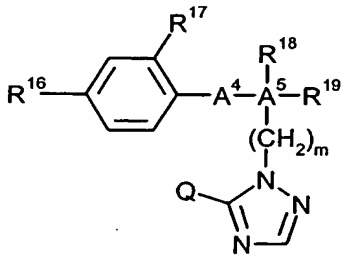


where the bond marked with an asterisk (*) is attached to the phenyl ring,

R^{14} represents phenyl, phenoxy or pyridinyl, each of which is optionally mono- or disubstituted by identical or different substituents from the group consisting of chlorine, cyano, methyl and trifluoroomethyl, or represents 1-(4-chlorophenyl)-pyrazol-3-yl or represents 1,2-propanedione-bis(O-methyloxime)-1-yl,

R^{15} represents hydrogen or fluorine;

Group (3) Triazoles of the general formula (III)



(III)

in which

Q represents hydrogen or SH,

m represents 0 or 1,

R^{16} represents hydrogen, fluorine, chlorine, phenyl or 4-chlorophenoxy,

R^{17} represents hydrogen or chlorine,

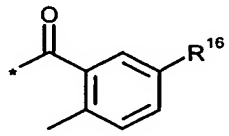
A^4 represents a direct bond, $-CH_2-$, $-(CH_2)_2-$ or $-O-$,

A^4 furthermore represents $*-CH_2-CHR^{20}-$ or $*-CH=CR^{20}-$ where the bond marked with * is attached to the phenyl ring, and

R^{18} and R^{20} furthermore together represent $-CH_2-CH_2-CH[CH(CH_3)_2]-$ or $-CH_2-CH_2-C(CH_3)_2-$,

A^5 represents C or Si (silicon),

A^4 further represents $-N(R^{20})-$ and A^5 furthermore together with R^{18} and R^{19} represents the group $C=N-R^{21}$, in which case R^{20} and R^{21} together represent the group



, where the bond marked with * is attached to R^{20},

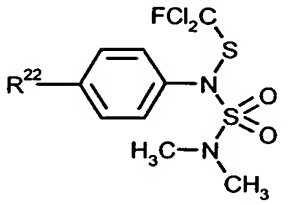
R^{18} represents hydrogen, hydroxyl or cyano,

R^{19} represents 1-cyclopropylethyl, 1-chlorocyclopropyl, C_1-C_4-alkyl, C_1-C_6-hydroxyalkyl, C_1-C_4-alkylcarbonyl, C_1-C_2-haloalkoxy-C_1-C_2-alkyl, trimethylsilyl-C_1-C_2-alkyl, monofluorophenyl or phenyl,

R^{18} and R^{19} furthermore together represent $-O-CH_2-CH(R^{21})-O-$, $-O-CH_2-CH(R^{21})-CH_2-$, or -O-CH(2-chlorophenyl)-,

R^{21} represents hydrogen, C_1-C_4-alkyl or bromine;

Group (4) Sulphenamides of the general formula (IV)



(IV)

in which R^{22} represents hydrogen or methyl;

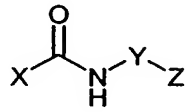
Group (5) Valinamides selected from

(5-1) iprovalicarb

(5-2) N^1-[2-(4-{[3-(4-chlorophenyl)-2-propynyl]oxy}-3-methoxyphenyl)ethyl]-N^2-(methylsulphonyl)-D-valinamide

(5-3) benthiavalicarb

Group (6) Carboxamides of the general formula (V)



(V)

in which

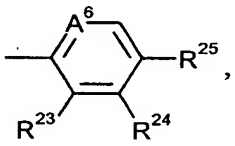
X represents 2-chloro-3-pyridinyl, represents 1-methylpyrazol-4-yl which is substituted in the 3-position by methyl or trifluoroomethyl and in the 5-position by hydrogen or chlorine, represents 4-ethyl-2-ethylamino-1,3-thiazol-5-yl, represents 1-methyl-cyclohexyl, represents 2,2-dichloro-1-ethyl-3-methylcyclopropyl, represents 2-fluoro-2-propyl or represents phenyl which is mono- to trisubstituted by identical or different substituents from the group consisting of chlorine and methyl,

X furthermore represents 3,4-dichloroisothiazol-5-yl, 5,6-dihydro-2-methyl-1,4-oxathiin-3-yl, 4-methyl-1,2,3-thiadiazol-5-yl, 4,5-dimethyl-2-trimethylsilylthiophen-3-yl, 1-methylpyrrol-3-yl which is substituted in the 4-position by methyl or trifluoromethyl and in the 5-position by hydrogen or chlorine,

Y represents a direct bond, C_1-C_6-alkanediyl (alkylene) which is optionally substituted by chlorine, cyano or oxo or represents thiophenediyl,

Y furthermore represents C_2-C_6-alkenediyl (alkenylene),

Z represents hydrogen or the group



Z furthermore represents C_1-C_6-alkyl,

A^6 represents CH or N,

R^{23} represents hydrogen, chlorine, phenyl which is optionally mono- or disubstituted by identical or different substituents from the group consisting of chlorine and di(C_1-C_3-alkyl)aminocarbonyl,

R^{23} furthermore represents cyano or C_1-C_6-alkyl,

R^{24} represents hydrogen or chlorine,

R^{25} represents hydrogen, chlorine, hydroxyl, methyl or trifluoroomethyl,

R^{25} furthermore represents di(C_1-C_3-alkyl)aminocarbonyl,

R^{23} and R^{24} furthermore together represent *-$CH(CH_3)$-CH_2-$C(CH_3)_2$- or *-$CH(CH_3)$-O-$C(CH_3)_2$- where the bond marked with * is attached to R^{23};

Group (7) Dithiocarbamates selected from

(7-1) mancozeb

(7-2) maneb

(7-3) metiram

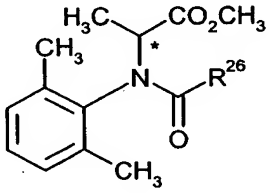
(7-4) propineb

(7-5) thiram

(7-6) zineb

(7-7) ziram

Group (8) Acylalanines of the general formula (VI)



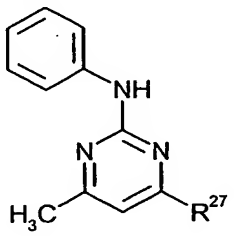
(VI)

( ) in which

* marks a carbon atom in the R or the S configuration, preferably in the S configuration,

R^{26} represents benzyl, furyl or methoxymethyl;

Group (9): Anilinopyrimidines of the general formula (VII)

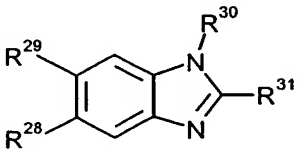


(VII)

( ) in which

R^{27} represents methyl, cyclopropyl or 1-propynyl;

Group (10): Benzimidazoles of the general formula (VIII)



(VIII)

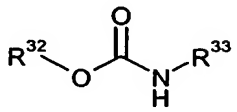
in which

R^{28} and R^{29} each represent hydrogen or together represent -O-CF_2-O-,

R^{30} represents hydrogen, C_1-C_4-alkylaminocarbonyl or represents 3,5-dimethylisoxazol-4-ylsulphonyl,

R^{31} represents chlorine, methoxycarbonylamino, chlorophenyl, furyl or thiazolyl;

Group (11): Carbamates of the general formula (IX)



(IX)

in which

R^{32} represents n- or isopropyl,

R^{33} represents di(C_1-C_2-alkyl)amino-C_2-C_4-alkyl or diethoxyphenyl,

salts of these compounds also being included;

Group (12): Dicarboximides selected from

(12-1) captafol

(12-2) captan

(12-3) folpet

(12-4) iprodione

(12-5) procymidone

(12-6) vinclozolin

Group (13): Guanidines selected from

(13-1) dodine

(13-2) guazatine

(13-3) iminoctadine triacetate

(13-4) iminoctadine tris(albesilate)

Group (14): Imidazoles selected from

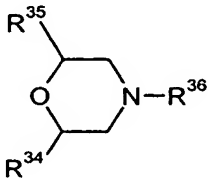
(14-1) cyazofamid

(14-2) prochloraz

(14-3) triazoxide

(14-4) pefurazoate

Group (15): Morpholines of the general formula (X)



(X)

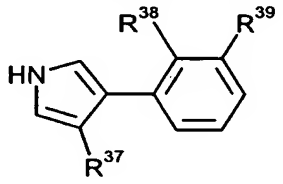
in which

R^{34} and R^{35} independently of one another represent hydrogen or methyl,

R^{36} represents C_1-C_{14}-alkyl (preferably C_{12}-C_{14}-alkyl), C_5-C_{12}-cycloalkyl (preferably

C_{10}-C_{12}-cycloalkyl), phenyl-C_1-C_4-alkyl, which may be substituted in the phenyl moiety by halogen or C_1-C_4-alkyl or represents acrylyl which is substituted by chlorophenyl and dimethoxyphenyl;

Group (16): Pyrroles of the general formula (XI)



(XI)

in which

R^{37} represents chlorine or cyano,

R^{38} represents chlorine or nitro,

R^{39} represents chlorine,

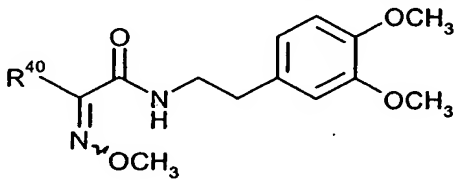
R^{38} and R^{39} furthermore together represent -O-CF_2-O-;

Group (17): Phosphonates selected from

(17-1) fosetyl-Al

(17-2) phosphonic acid

Group (18): Phenylethanamides of the general formula (XII)



(XII)

in which

R^{40} represents unsubstituted or fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted phenyl, 2-naphthyl, 1,2,3,4-tetrahydronaphthyl or indanyl;

Group (19): Fungicides selected from

(19-1) acibenzolar-S-methyl

(19-2) chlorothalonil

(19-3) cymoxanil

(19-4) edifenphos

(19-5) famoxadone

(19-6) fluazinam

(19-7) copper oxychloride

(19-8) copper hydroxide

(19-9) oxadixyl

(19-10) spiroxamine

(19-11) dithianon

(19-12) metrafenone

(19-13) fenamidone

(19-14) 2,3-dibutyl-6-chlorothieno[2,3-d]pyrimidin-4(3H)-one

(19-15) probenazole

(19-16) isoprothiolane

(19-17) kasugamycin

(19-18) phthalide

(19-19) ferimzone

(19-20) tricyclazole

(19-21) N-({4-[(cyclopropylamino)carbonyl]phenyl}sulphonyl)-2-methoxybenzamide

(19-22) 2-(4-chlorophenyl)-N-{2-[3-methoxy-4-(prop-2-yn-1-yloxy)phenyl]ethyl}-2-(prop-2-yn-1-yloxy)acetamide

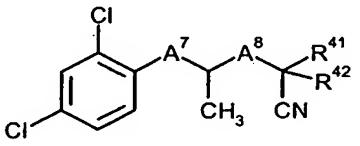
Group (20): (Thio)urea derivatives selected from

(20-1) pencycuron

(20-2) thiophanate-methyl

(20-3) thiophanate-ethyl

Group (21): Amides of the general formula (XIII)



(XIII)

in which

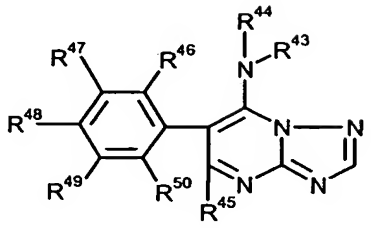
A^7 represents a direct bond or -O-,

A^8 represents -C(=O)NH- or -NHC(=O)-,

R^{41} represents hydrogen or C_1-C_4-alkyl,

R^{42} represents C_1-C_6-alkyl;

Group (22): Triazolopyrimidines of the general formula (XIV)



(XIV)

in which

R^{43} represents C_1-C_6-alkyl or C_2-C_6-alkenyl,

R^{44} represents C_1-C_6-alkyl,

R^{43} and R^{44} furthermore together represent C_4-C_5-alkanediyl (alkylene) which is mono- or disubstituted by C_1-C_6-alkyl,

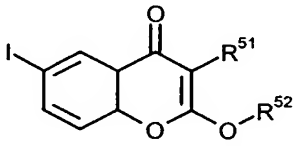
R^{45} represents bromine or chlorine,

R^{46} and R^{50} independently of one another represent hydrogen, fluorine, chlorine or methyl,

R^{47} and R^{49} independently of one another represent hydrogen or fluorine,

R^{48} represents hydrogen, fluorine or methyl,

Group (23): Iodochromones of the general formula (XV)



(XV)

in which

R^{51} represents C_1-C_6-alkyl,

R^{52} represents C_1-C_6-alkyl, C_2-C_6-alkenyl or C_2-C_6-alkynyl.

2. Active compound combinations according to Claim 1 comprising a carboxamide of the general formula (I) according to Claim 1 (group 1) in which

R^1 represents hydrogen or fluorine,

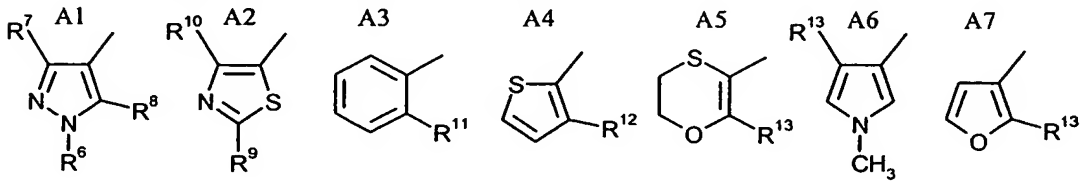
R^2 represents fluorine, chlorine, bromine, iodine, methyl, trifluoromethyl, trifluoromethoxy or represents $-C(R^4)=N-OR^5$,

R^3 represents hydrogen, fluorine, chlorine, bromine, methyl or trifluoromethyl,

R^4 represents hydrogen or methyl,

R^5 represents C_1-C_5-alkyl,

A represents one of the radicals A1 to A7 below:



R^6 represents methyl,

R^7 represents iodine, methyl, difluoromethyl or trifluoromethyl,

R^8 represents hydrogen, fluorine, chlorine or methyl,

R^9 represents hydrogen, chlorine, methyl, amino or dimethylamino,

R^{10} represents methyl, difluoromethyl or trifluoromethyl,

R^{11} represents chlorine, bromine, iodine, methyl, difluoromethyl or trifluoromethyl,

R^{12} represents bromine or methyl,

R^{13} represents methyl or trifluoromethyl.

3. Active compound combinations according to Claim 1, where the active compounds of groups (2) to (23) are selected from the list below:

(2-1) azoxystrobin

(2-2) fluoxastrobin

(2-3) (2*E*)-2-(2-{[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy}phenyl)-2-(methoxyimino)-*N*-methylethanamide

(2-4) trifloxystrobin

(2-5) (2*E*)-2-(methoxyimino)-*N*-methyl-2-(2-{[({(1*E*)-1-[3-(trifluoromethyl)-phenyl]ethyliden}amino)oxy]methyl}phenyl)ethanamide

(2-6) (2*E*)-2-(methoxyimino)-*N*-methyl-2-{2-[(*E*)-({1-[3-(trifluoromethyl)phenyl]-ethoxy}imino)methyl]phenyl}ethanamide

(2-7) orysastrobin

(2-8) 5-methoxy-2-methyl-4-(2-{[({(1*E*)-1-[3-(trifluoromethyl)phenyl]ethyliden}amino)-oxy]methyl}phenyl)-2,4-dihydro-3*H*-1,2,4-triazol-3-one

(2-9) kresoxim-methyl

(2-10) dimoxystrobin

(2-11) picoxystrobin

(2-12) pyraclostrobin

(2-13) metominostrobin

(3-1) azaconazole

(3-2) etaconazole

(3-3) propiconazole

(3-4) difenoconazole

(3-5) bromuconazole

(3-6) cyproconazole

(3-7) hexaconazole

(3-8) penconazole

(3-9) myclobutanil

(3-10) tetraconazole

(3-11) flutriafol

(3-12) epoxiconazole

(3-13) flusilazole

(3-14) simeconazole

(3-15) prothioconazole

(3-16) fenbuconazole

(3-17) tebuconazole

(3-18) ipconazole

(3-19) metconazole

(3-20) triticonazole

(3-21) bitertanol

(3-22) triadimenol

(3-23) triadimefon

(3-24) fluquinconazole

(3-25) quinconazole

(4-1) dichlofluanid

(4-2) tolylfluanid

(5-1) iprovalicarb

(5-3) benthiavalicarb

(6-1) 2-chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide

(6-2) boscalid

(6-3) furametpyr

(6-4) N-(3-p-tolylthiophen-2-yl)-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide

(6-5) ethaboxam

(6-6) fenhexamid

(6-7) carpropamid

(6-8) 2-chloro-4-(2-fluoro-2-methylpropionylamino)-N,N-dimethylbenzamide

(6-9) picobenzamid

(6-10) zoxamide

(6-11) 3,4-dichloro-N-(2-cyanophenyl)isothiazole-5-carboxamide

(6-12) carboxin

(6-13) tiadinil

(6-14) penthiopyrad

(6-15) silthiofam

(6-16) *N*-[2-(1,3-dimethylbutyl)phenyl]-1-methyl-4-(trifluoromethyl)-1*H*-pyrrole-3-carboxamide

(7-1) mancozeb

(7-2) maneb

(7-3) metiram

(7-4) propineb

(7-5) thiram

(7-6) zineb

(7-7) ziram

(8-1) benalaxyl

(8-2) furalaxyl

(8-3) metalaxyl

(8-4) metalaxyl-M

(8-5) benalaxyl-M

(9-1) cyprodinil

(9-2) mepanipyrim

(9-3) pyrimethanil

(10-1) 6-chloro-5-[(3,5-dimethylisoxazol-4-yl)sulphonyl]-2,2-difluoro-5H-[1,3]dioxolo[4,5-f]benzimidazole

(10-2) benomyl

(10-3) carbendazim

(10-4) chlorfenazole

(10-5) fuberidazole

(10-6) thiabendazole

(11-1) diethofencarb

(11-2) propamocarb

(11-3) propamocarb-hydrochloride

(11-4) propamocarb-fosetyl

(12-1) captafol

(12-2) captan

(12-3) folpet

(12-4) iprodione

(12-5) procymidone

(12-6) vinclozolin

(13-1) dodine

(13-2) guazatine

(13-3) iminoctadine triacetate

(14-1) cyazofamid

(14-2) prochloraz

(14-3) triazoxide

(14-4) pefurazoate

(15-1) aldimorph

(15-2) tridemorph

(15-3) dodemorph

(15-4) fenpropimorph

(15-5) dimethomorph

(16-1) fenpiclonil

(16-2) fludioxonil

(16-3) pyrrolnitrin

(17-1) fosetyl-Al

(17-2) phosphonic acid

(18-1) 2-(2,3-dihydro-1H-inden-5-yl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)-acetamide

(18-2) N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)-2-(5,6,7,8-tetrahydro-naphthalen-2-yl)acetamide

(18-3) 2-(4-chlorophenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide

(18-4) 2-(4-bromophenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide

(18-5) 2-(4-methylphenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide

(18-6) 2-(4-ethylphenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide

(19-1) acibenzolar-S-methyl

(19-2) chlorothalonil

(19-3) cymoxanil

(19-4) edifenphos

(19-5) famoxadone

(19-6) fluazinam

(19-7) copper oxychloride

(19-9) oxadixyl

(19-10) spiroxamine

(19-11) dithianon

(19-12) metrafenone

(19-13) fenamidone

(19-14) 2,3-dibutyl-6-chlorothieno[2,3-d]pyrimidin-4(3H)-one

(19-15) probenazole

(19-16) isoprothiolane

(19-17) kasugamycin

(19-18) phthalide

(19-19) ferimzone

(19-20) tricyclazole

(19-21) N-({4-[(cyclopropylamino)carbonyl]phenyl}sulphonyl)-2-methoxybenzamide

(19-22) 2-(4-chlorophenyl)-N-{2-[3-methoxy-4-(prop-2-yn-1-yloxy)phenyl]ethyl}-2-(prop-2-yn-1-yloxy)acetamide

(20-1) pencycuron

(20-2) thiophanate-methyl

(20-3) thiophanate-ethyl

(21-1) fenoxanil

(21-2) diclocymet

(22-1) 5-chloro-*N*-[*(1S)*-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine-7-amine

(22-2) 5-chloro-*N*-[*(1R)*-1,2-dimethylpropyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo-[1,5-a]pyrimidine-7-amine

(22-3) 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)[1,2,4]triazolo-[1,5-a]pyrimidine

(22-4) 5-chloro-6-(2,4,6-trifluorophenyl)-7-(4-methylpiperidin-1-yl)[1,2,4]triazolo[1,5-a]-pyrimidine

(23-1) 2-butoxy-6-iodo-3-propylbenzopyran-4-one

(23-2) 2-ethoxy-6-iodo-3-propylbenzopyran-4-one

(23-3) 6-iodo-2-propoxy-3-propylbenzopyran-4-one

(23-4) 2-but-2-ynyloxy-6-iodo-3-propylbenzopyran-4-one

(23-5) 6-iodo-2-(1-methylbutoxy)-3-propylbenzopyran-4-one

(23-6) 2-but-3-enyloxy-6-iodobenzopyran-4-one

(23-7) 3-butyl-6-iodo-2-isopropoxybenzopyran-4-one.

4. Active compound combinations according to Claim 1 comprising the carboxamide (1-1) *N*-(3',4'-dichloro-5-fluoro-1,1'-biphenyl-2-yl)-3-(difluoromethyl)-1-methyl-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 1.

5. Active compound combinations according to Claim 1 comprising the carboxamide (1-1)

N-(3',4'-dichloro-5-fluoro-1,1'-biphenyl-2-yl)-3-(difluoromethyl)-1-methyl-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 3.

6. Active compound combinations according to Claim 1 comprising the carboxamide (1-7) *N*-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 1.

7. Active compound combinations according to Claim 1 comprising the carboxamide (1-7) *N*-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 3.

8. Active compound combinations according to Claim 1 comprising the carboxamide (1-8) 4-(difluoromethyl)-2-methyl-*N*-[4'-(trifluoromethyl)-1,1'-biphenyl-2-yl]-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 1.

9. Active compound combinations according to Claim 1 comprising the carboxamide (1-8) 4-(difluoromethyl)-2-methyl-*N*-[4'-(trifluoromethyl)-1,1'-biphenyl-2-yl]-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 3.

10. Active compound combinations according to Claim 1 comprising the carboxamide (1-9) *N*-(4'-chloro-3'-fluoro-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 1.

11. Active compound combinations according to Claim 1 comprising the carboxamide (1-9) *N*-(4'-chloro-3'-fluoro-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (23) according to Claim 3.

12. Use of active compound combinations according to Claim 1 for controlling unwanted phytopathogenic fungi.

13. Method for controlling unwanted phytopathogenic fungi, characterized in that active compound combinations according to Claim 1 are applied to the unwanted phytopathogenic fungi and/or their habitat.

14. Process for preparing fungicidal compositions, characterized in that active compound combinations according to Claim 1 are mixed with extenders and/or surfactants.